



A DOCPHOENIX

FOLLOW-ON DOCUMENT INDEX SHEET

## INCOMING

\_\_\_\_ ACPA \_\_\_\_  
Continuing Prosecution Application

\_\_\_\_ AP.B \_\_\_\_  
Appeal Brief

\_\_\_\_ C680 \_\_\_\_  
Request for Corrected Notice/Allowance

\_\_\_\_ C.AD \_\_\_\_  
Change of Address

\_\_\_\_ CFILE \_\_\_\_  
Request for Corrected Filing Receipt

\_\_\_\_ COCIN \_\_\_\_  
Papers filed re Certificate of Corrections

\_\_\_\_ CRFD \_\_\_\_  
Computer Readable Form Defective

\_\_\_\_ CRFE \_\_\_\_  
Computer Readable Form 'ENTERED'

\_\_\_\_ EABN \_\_\_\_  
Request for Express Abandonment

\_\_\_\_ ELC. \_\_\_\_  
Response to Election/Restriction

\_\_\_\_ IFEE \_\_\_\_  
Issue Fee Transmittal PTOL 85 B

\_\_\_\_ IRFND \_\_\_\_  
Refund Request

\_\_\_\_ L\_RIN \_\_\_\_  
Any Incoming to L&R

\_\_\_\_ N417 \_\_\_\_  
Copy of EFS Receipt Acknowledgement

\_\_\_\_ N/AP \_\_\_\_  
Notice of Appeal

\_\_\_\_ PA. \_\_\_\_  
Change in Power of Attorney

\_\_\_\_ PC/I \_\_\_\_  
Power to Make Copies or to Inspect

\_\_\_\_ PEF. \_\_\_\_  
Pre-Exam Formalities Response

\_\_\_\_ PEFRR EISS \_\_\_\_  
Pre-Exam Formalities Reissue Response

\_\_\_\_ PEFRSEQ \_\_\_\_  
Pre-Exam Formalities Sequence Reply

## INCOMING

\_\_\_\_ LET. \_\_\_\_  
Misc. Incoming Letter

\_\_\_\_ IMIS \_\_\_\_  
Miscellaneous Internal Document

\_\_\_\_ PGEA \_\_\_\_  
Req Express Aband to avoid Publication

\_\_\_\_ PGA9 \_\_\_\_  
Req for Corrected Pat App Publication

\_\_\_\_ PGREF \_\_\_\_  
Req for Refund of Publication Fee Paid

\_\_\_\_ PROTEST \_\_\_\_  
Protest Documents Filed by 3<sup>rd</sup> Party

\_\_\_\_ PROTRANS \_\_\_\_  
Translation of Provisional in Nonprovisional

\_\_\_\_ REM \_\_\_\_  
Applicant Remarks in Amendment

\_\_\_\_ RESC \_\_\_\_  
Rescind Non-Publication Request

\_\_\_\_ RETMAIL. \_\_\_\_  
Mailed Returned by Post Office

\_\_\_\_ XT/I \_\_\_\_  
Extension of Time filed separate

## APPL PARTS

\_\_\_\_ 371P \_\_\_\_  
PCT Papers in a 371 Application

\_\_\_\_ A... \_\_\_\_  
Amendment Including Elections

\_\_\_\_ A.NE \_\_\_\_  
After Final Amendment

\_\_\_\_ A.PE \_\_\_\_  
Preliminary Amendment

\_\_\_\_ ABST \_\_\_\_  
Abstract

\_\_\_\_ ADS \_\_\_\_  
Application Data Sheet

\_\_\_\_ AF/D \_\_\_\_  
Affidavit or Exhibit Received

\_\_\_\_ APPENDIX \_\_\_\_  
Appendix

## APPL PARTS

\_\_\_\_ ARTIFACT \_\_\_\_  
Artifact

\_\_\_\_ CLM \_\_\_\_  
Claim

\_\_\_\_ COMPUTER \_\_\_\_  
Computer Program Listing

\_\_\_\_ CRFL \_\_\_\_  
CRF Transfer Request

\_\_\_\_ CRFS \_\_\_\_  
Computer Readable Form Statement

\_\_\_\_ DIST \_\_\_\_  
Terminal Disclaimer Filed

\_\_\_\_ DRW \_\_\_\_  
Drawings

\_\_\_\_ FOR \_\_\_\_  
Foreign Reference

\_\_\_\_ FRPR \_\_\_\_  
Foreign Priority Papers

\_\_\_\_ IDS \_\_\_\_  
IDS Including 1449

\_\_\_\_ NPL \_\_\_\_  
Non-Patent Literature

\_\_\_\_ OATH \_\_\_\_  
Oath or Declaration

\_\_\_\_ PET. \_\_\_\_  
Petition

\_\_\_\_ PGPUB DRAWINGS \_\_\_\_  
Box PG Pub Drawings

\_\_\_\_ SEQLIST \_\_\_\_  
Sequence Listing

\_\_\_\_ SPEC \_\_\_\_  
Specification

\_\_\_\_ SPEC NO \_\_\_\_  
Specification Not in English

# Office Action Summary

Application No.  
**09/552,310**

Applicant(s)  
**Chapman et al.**

Examiner  
**Lincoln Donovan**

Art Unit  
**2832**



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on Jan 16, 2002
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-9 and 18 is/are pending in the application.
- 4a) Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 and 18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☐ All b) ☐ Some\* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

- 15) ☐ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_
- 18) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other: \_\_\_\_\_

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## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 18 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 18, line 3, applicant should specify what the dielectric strength is "at least."

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-9 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Prostor [US 3,726,005] in view of Japan 358054606.

Prostor discloses a field coil [18] for an electric machine comprising:

- multiple windings [figures 2-3 and 5-6]; and

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- an epoxy powder resin coating [13, abstract] applied to the coil layers.

Prostor disclose the instant claimed invention except for: the powder resin specifically having a dielectric strength of 1000-1500 v/mil.

Japan 358054606 discloses a coating for a coil of an electric machine formed of a silicon powder resin having a high dielectric strength.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to use the coating composition of Japan 358054606 for Prostor, for the purpose of enabling the coil to withstand the operating environment of a field coil.

Regarding claim 2, Prostor discloses the coating [column 2, lines 20-30] being operable in a high temperature environment.

Regarding claim 3, it would have been obvious to one having ordinary skill in the art at the time the invention was made to not coat the end connection portions of the winding in order to provide a good electrical connection.

Regarding claim 8, to add additional coatings would have been obvious for the purpose of improving wear characteristics.

### ***Response to Arguments***

5. Applicant's arguments filed 01-16-02 have been fully considered but they are not persuasive.

Applicant argues:

[1] the "composition" used in Japan '606 is not a coating; and

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[2] the “composition” does not have the required strength and thermal stability;

[3] the properties of Japan ‘606 are not applicable to be used with Prostor.

Examiner disagrees:

Regarding [1]-[3]: Prostor discloses the use of a coating for an electric machine formed of an epoxy resin. Japan discloses a resin having the desired properties used in a coil of an electric machine. A skilled artisan would have been motivated to use the design of Japan ‘606 in the coating of Prostor in order to provide sufficient strength and heat handling capabilities. Both Prostor and Japan ‘606 disclose resins used in an electric machine.

Regarding [2]: Japan discloses the resin being used in a similar operating environment to that of the claimed invention of applicant. Japan’s resin, in order to function, would inherently possess the necessary strength/temperature parameters.

### *Conclusion*

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the

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date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

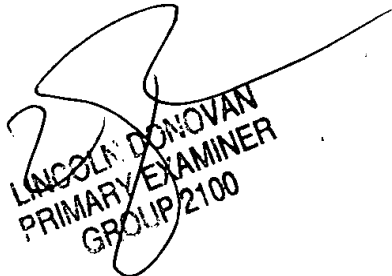
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Lincoln Donovan whose telephone number is (703) 308-3111.

The fax number for this Group is (703)308-7724.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703)308-0956.

LDD

March 19, 2002

  
LINCOLN DONOVAN  
PRIMARY EXAMINER  
GROUP 2100